

AMENDMENTS

In the Claims:

1. (Currently Amended) An intervertebral disc prosthesis, comprising two cover plates and a prosthesis core, the prosthesis core being connected to one of the cover plates by complementary undercut connection profiles on the one of the cover plates and the prosthesis core,

wherein the connection profiles profile on each of the prosthesis and the one of the cover plates include at least one includes a leading edge having a single projecting tip in a triangular configuration, the projecting tip pointing in a direction of insertion into the one of the cover plates and comprising a pair of substantially straight profile sections forming sides of the triangular configuration that which are disposed symmetrically with respect to an anterior-posterior direction of the prosthesis in an implanted position so that lines extended from the substantially straight profile sections meet at an included angle not greater than 150°.

2. (Canceled)

3. (Currently Amended) The intervertebral disc prosthesis according to claim 1, wherein the profile sections are arranged on a dorsal side of the intervertebral disc prosthesis and are held in engagement with each other by an engaging structure arranged on a ventral side of the intervertebral disk prosthesis in [[the]] an implanted position.

4. (Previously Presented) The intervertebral disc prosthesis according to claim 3, further comprising a pair of laterally arranged profile sections.

5. (Canceled)